FIG.1

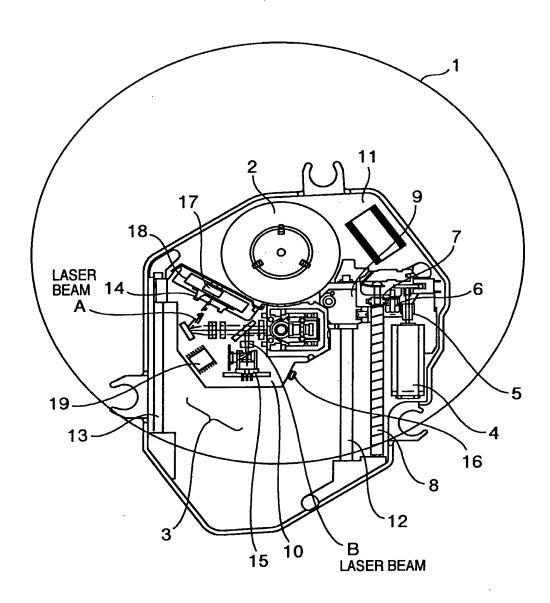


FIG.2

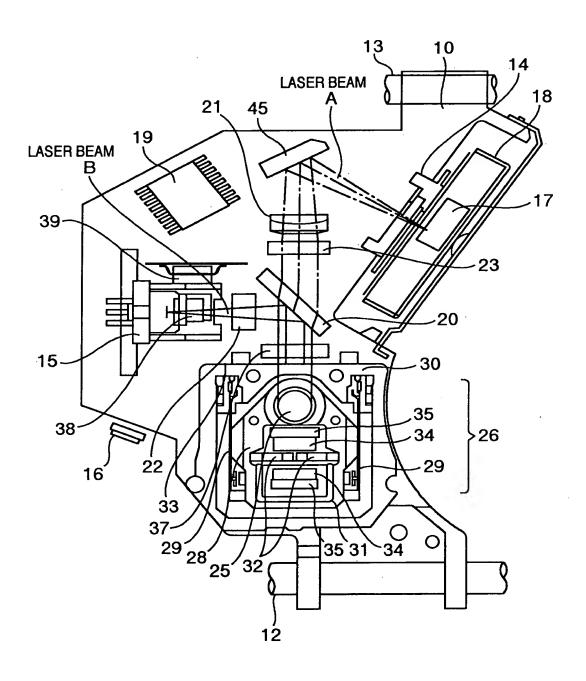
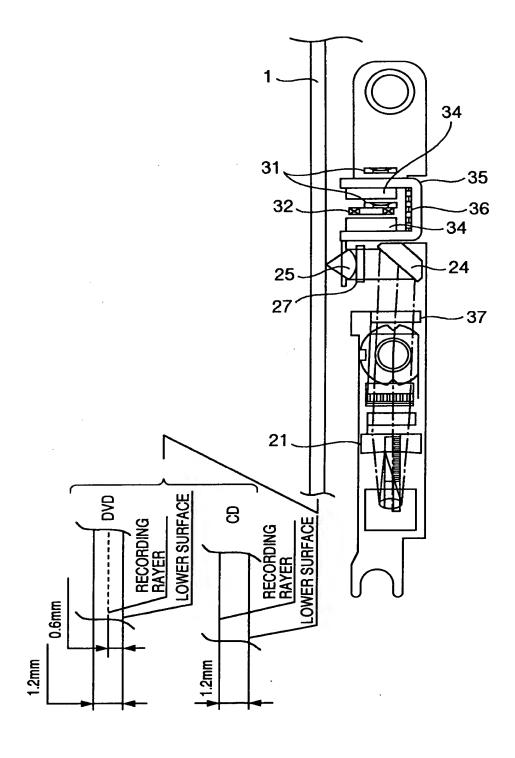


FIG.3



## FIG.4A

## **CENTER OF OPTICAL AXIS**

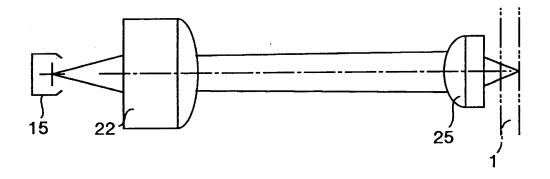


FIG.4B

## LENS SHIFT

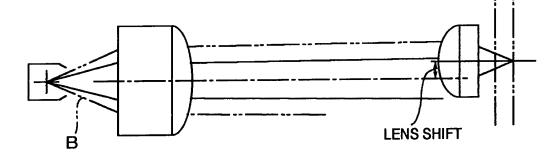


FIG.5A

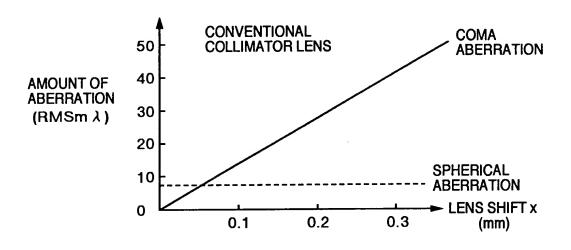
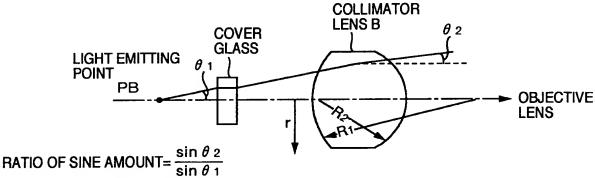


FIG.5B



RATIO OF SINE AMOUNT =  $\frac{1}{\sin \theta}$  1

RATIO OF RADIUS OF CURVATURE=R2/R1

RADIUS r OF COLLIMATOR LENS B

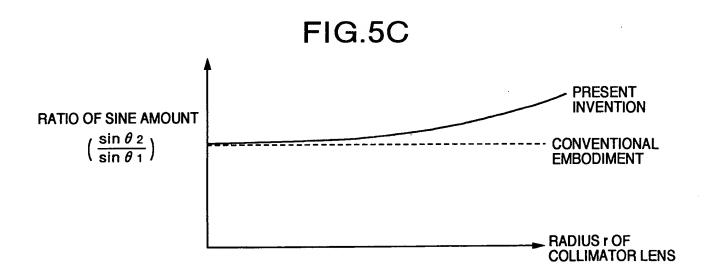


FIG.6A

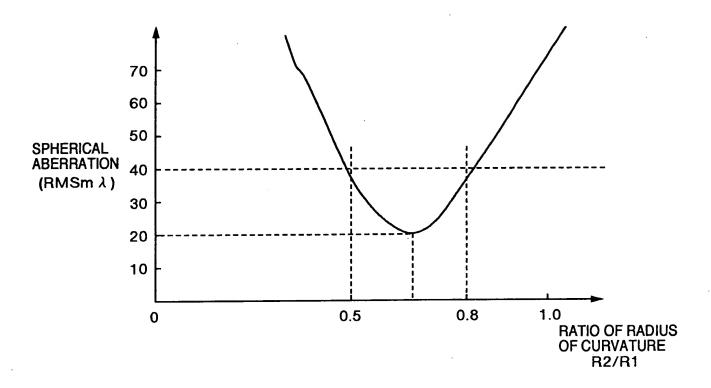


FIG.6B

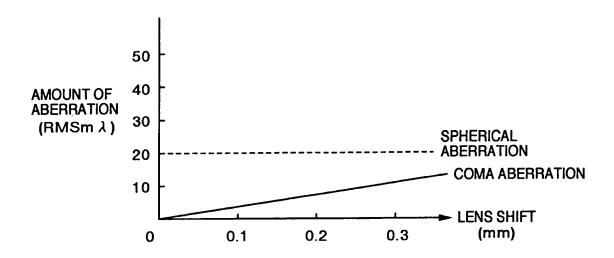


FIG.7

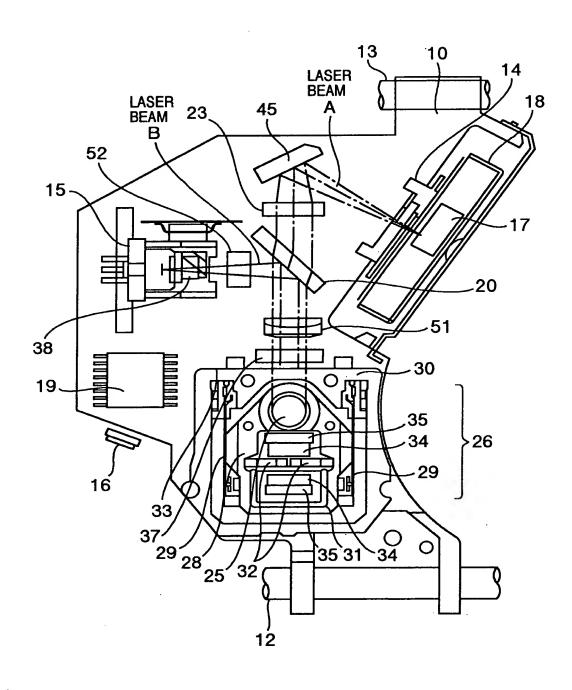


FIG.8A

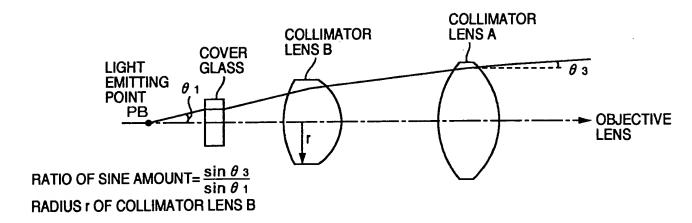


FIG.8B

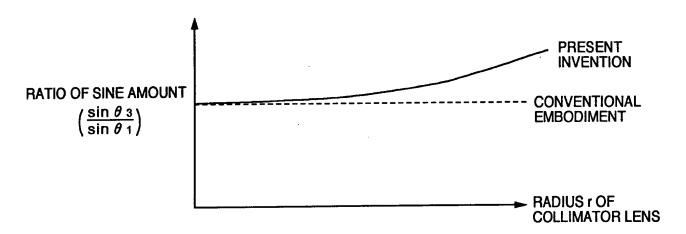


FIG.8C

